

Title (en)

CLOSING LID FOR CLOSING A BORE, AS WELL AS A DEVICE FOR GRIPPING A CORRESPONDING CLOSURE LID

Title (de)

VERSCHLUSSDECKEL ZUM VERSCHLIESSEN EINER BOHRUNG, SOWIE EINER VORRICHTUNG ZUM GREIFEN EINES
ENTSPRECHENDEN VERSCHLUSSDECKELS

Title (fr)

DISPOSITIF OBTURATEUR DESTINÉ À FERMER UN ALESAGE, AINSI QU'UN OUTIL DE PRÉHENSION D'UN TEL DISPOSITIF

Publication

EP 3404297 B1 20240619 (DE)

Application

EP 18160473 A 20180307

Priority

DE 102017110975 A 20170519

Abstract (en)

[origin: CN108945786A] The present invention relates to a closing lid (1) for a bore (B), the bore has an inner diameter, the closing lid (1) is formed in a can-shaped mode and has a bottom wall (1b) and a side wall (1s) moulded on the bottom wall, and the inner side of the side wall (1s) has at least one rounding hollow portion (20) in a trench or trough mode.

IPC 8 full level

F16J 13/14 (2006.01); **B21D 35/00** (2006.01); **B25B 27/02** (2006.01); **F02B 77/00** (2006.01); **F16J 15/04** (2006.01); **F16L 55/11** (2006.01)

CPC (source: CN EP)

B65D 51/005 (2013.01 - CN); **F16H 57/031** (2013.01 - CN); **F16J 13/14** (2013.01 - EP); **F16J 15/04** (2013.01 - EP); **B21D 51/44** (2013.01 - EP);
B23P 15/00 (2013.01 - EP); **F01M 2011/0416** (2013.01 - EP)

Citation (examination)

- US 2016052688 A1 20160225 - WUBNEH ABIY [CA], et al
- EP 0928655 A1 19990714 - METAALGIETERIJ GIESEN B V [NL]
- DE 3336304 A1 19850418 - TEVES GMBH ALFRED [DE]
- GB 507683 A 19390620 - CHARLES CLIFTON HAYWARD, et al
- SU 1146183 A1 19850323 - MATVEEV VIKTOR S, et al

Cited by

DE202022104079U1; DE102022118117A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102017110975 B3 20180607; CN 108945786 A 20181207; CN 108945786 B 20230502; EP 3404297 A1 20181121; EP 3404297 B1 20240619

DOCDB simple family (application)

DE 102017110975 A 20170519; CN 201810431095 A 20180508; EP 18160473 A 20180307